

PATENT ABSTRACTS OF JAPAN



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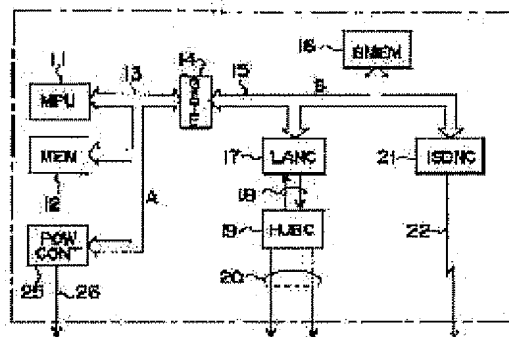
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(54) INTER LAN CONNECTION DEVICE

(57)Abstract:

PURPOSE: To simplify cabling among respective devices and respective networks and to save the space of the devices by housing all of a LAN line concentration function, an inter-LAN connection function and a terminal adapter function in one device.

CONSTITUTION: A frame is received from a LAN interface line 20 through a LAN line concentration function controller 19 and a LAN serial bus 18 in a LAN controller 17 and the LAN controller 17 judges whether or not it is addressed to the present device. When it is addressed to the present device, reception data are stored in a buffer memory and analyzed by a control program stored in a control program storage memory 12 and a microprocessor 11, and whether or not they are the data to be transmitted to an ISDN is judged. In the case of the unrequired data, a processing is performed inside the present device. On the other hand, in the case of the required data, the data for ISDN communication are added to the data of the buffer memory 16 and they are transmitted through a line 22 to the ISDN.



[Claim 1] An inter-LAN connection device in a system
connecting between LANs in remote locations and performing
5 communication between data terminal devices in remote
locations, the inter-LAN connection device comprising:

a LAN concentration function controller that connects
a plurality of data terminal devices having a LAN interface
function onto a LAN; and

10 an ISDN controller connected to an ISDN, wherein
the data terminal device is connected to a data terminal
device of a LAN in a remote location via the ISDN to
perform communication.